

**REMARKS**

Claims 1, 2, and 4 are pending in this application. By this Amendment, the Abstract and claims 1, 2, and 4 are amended, and claim 3 is canceled without prejudice or disclaimer. Support for the claims can be found throughout the specification, including the original claims, and the drawings. Reconsideration in view of the above amendments and following remarks is respectfully requested.

The Office Action objected to the Abstract. A substitute Abstract is provided. No new matter is added. Accordingly, the objection is obviated and should be withdrawn.

The Office Action rejected claims 1-3 under 35 U.S.C. §102(e) over U.S. Publication No. 2004/0014478 to Hoffman et al. (hereinafter "Hoffman"). The rejection is respectfully traversed.

Amended independent claim 1 recites a method of membership protection using a terminal location track system, the terminal location track system including a mobile communication terminal, a location of which is tracked, a mobile communication system of a mobile communication enterprise, a member information database for storing member information, a moving information database for storing a member's location information, and a central control server for controlling transmission and receipt of data. The method comprises constructing the member information database, which operates in cooperation with the central control server, and in which the member information including a mobile communication terminal number and a dedicated contact place are stored by the member; constructing the

moving information database, which operates in cooperation with the central control server, and in which the member's moving information is stored, and an engaged time is registered; starting a protection state in which the member's moving information including the engaged time is received from a member in accordance with a control of the central control server, an engaged time is registered in the moving information database, and the member's moving information is stored and is reported to the dedicated contact place; storing a position of the mobile communication terminal traced at a certain period in accordance with a control of the central control server until a protection state is completed after the report of releasing a protection state is received from the member after the protection state is started, wherein the traced information is stored in the moving information database; and transmitting moving information in which the position information stored in the storing the position step and moving information are transmitted to the dedicated contact place and a mobile communication terminal of a mobilizing staff in accordance with a control of the central control server when the report of releasing a protection state is not received until the engaged time. Hoffman does not disclose or suggest all of the features of independent claim 1, or the respective claimed combination.

That is, the claimed invention of independent claim 1 begins a protection state using a mobile communication terminal in response to a member's active request. When a report of releasing a protection state is not received until an engaged time, it is judged as an emergency situation and a turnout emergency signal is transmitted to mobilizing staff. In contrast, Hoffman's invention relates to a signaling system that is provided for rendering an alarm for an

individual in distress combined with a locating and tracking system to thus alert and direct appropriate personnel to the needs of the individual in distress and to monitor the location of that individual. Hoffman's system includes a portable signaling unit 20, a remote alarm switch unit 40, a central dispatch station 80, and makes use of a wireless communication system. In Hoffman's system, when the special remote alarm switch unit 40 does not receive a periodic signal because the special remote alarm switch unit 40 is not positioned within a preset location range of the portable signaling unit 20, the central dispatch station recognizes that an emergency situation occurs.

The claimed invention of independent claim 1 does not require an additional device, such as the remote alarm switch unit 40 of Hoffman's invention. In more detail, as shown in FIG. 1 of Hoffman, a user wanting protection must have the remote alarm switch unit 40, as well as the portable signaling unit 20, 49, 68. Since the remote alarm switch unit 40 must be positioned within a preset location range from the portable signaling unit 20, the user generally wears the remote alarm switch unit 40 together with the portable signaling unit 20 on the person's body. For example, the remote alarm switch unit 40 may be in the form of a wristband or in the form of a broche, a pendant, or a key chain on the part of the person's body. See the Abstract of Hoffman.

Only when the remote alarm switch unit 40 is within the preset location range from the portable signaling unit 20 may a periodical signal be transmitted to the portable signaling unit 20 through a timer circuit 56, 75. When the remote alarm switch unit 40 is not within the preset

location range from the portable signaling unit 20, the portable signaling unit 20 cannot receive the periodical signal from the remote alarm switch unit 40, and accordingly the central dispatch station 80 interprets an alarm signal 77.

Because a user must wear the remote alarm switch unit 40 the following problems may occur:

(1) The remote alarm switch unit 40 may be lost. In this case, because the remote alarm switch unit 40 is positioned beyond the preset location range, the central dispatch station 80 generates an unnecessary alarm signal.

(2) In a dangerous emergency situation, such as binding or unconsciousness, the remote alarm switch unit 40 may not be separated from the person's body. In this case, although an emergency situation occurs, the remote alarm switch unit 40 is still located within the preset location range of the portable signaling unit 20 and a normal state is maintained. Accordingly, the portable signaling unit 20 does not generate an alarm signal.

However, as set forth above, the claimed invention of independent claim 1 does not need the remote alarm switch unit 40. That is, unlike Hoffman's invention, a member wanting protection in an engaged time range previously inputs and transmits the scheduled times of protection start and release using a mobile communication terminal. When the report of releasing a protection state is not received until the engaged time, the central dispatch station 80 issues an alarm signal. Accordingly, the member only needs to carry the mobile communication terminal.

Further, in Hoffman's system a protection state starts automatically by wearing the portable signaling unit 20, a location of which is tracked and the remote alarm switch unit 40, and the user's location is monitored in real time. However, in the claimed invention of independent claim 1, a protected target (member) actively takes the initiative in requesting a protection state start. Thus, the difference is that the member previously registers a moving situation and an expected moving end time as an engaged time when the member moves into a possible danger zone to prevent a dangerous situation and to rapidly cope with an emergency situation.

Additionally, in Hoffman's system, after the protection state starts, the remote alarm switch unit 40 having the timer circuit 56 transmits a periodical signal to the portable signaling unit 20 to maintain a normal state. If the remote alarm switch unit 40 is removed from the individual by force or an unauthorized means, the central dispatch station 80 may not receive an alarm signal generated by the portable signaling unit 20 if the signal is interpreted. However, in the claimed invention of independent claim 1, when a report of protection releasing is not received by the central control server from the member until the engaged time that a member has input, the central control server interprets an alarm signal. Thus, unlike Hoffman's system that generates an alarm signal only when the remote alarm switch unit 40 is removed by someone, in the claimed invention of independent claim 1, even in a case of a situation difficult to request emergency rescue, a protection turnout can be rapidly achieved when an engaged time of a protection releasing elapses.

Accordingly, the rejection of independent claim 1 over Hoffman should be withdrawn. Dependent claim 2 is allowable over Hoffman at least for the reasons discussed above with respect to independent claim 1, from which it depends, as well as for its added features.

The Office Action rejected claim 4 under 35 U.S.C. §103(a) over Hoffman in view of U.S. Patent No. 6,011,967 to Wieck. The rejection is respectfully traversed.

Dependent claim 4 is allowable over Hoffman at least for the reasons discussed above with respect to independent claim 1, from which it depends, as well as for its added features. Weick fails to overcome the deficiencies of Hoffman, as it is merely cited as allegedly disclosing a mobile communication terminal comprising a cellular phone or PDA.

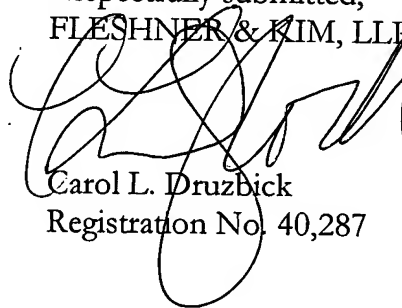
In view of the foregoing, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance of claims 1, 2, and 4 are earnestly solicited. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney at the telephone number listed below.

Serial No. 10/505,426  
Reply to Office Action dated August 10, 2005

Docket No. DUW-0008

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,  
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